

SECTION VI.—BIBLIOGRAPHY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

[Courtesy, Fernand.]

Observation des orages de 1917 dans les départements de la Gironde et partie de la Dordogne. Expérience des paragréles électriques. Résultats déduits des observations de 1912 à 1917. Bordeaux. 1918. 51 p. incl. tables. fold. map. 24 $\frac{1}{2}$ cm. (Extrait du Bulletin de Commission météorologique de la Gironde, année 1917.) [The author of this report finds that there has been no perceptible difference in the character of thunderstorms and their attendant phenomena, in the district under discussion, since the installation of numerous hail-rods therein. Records are presented showing the occurrence of many severe hailstorms near the various hail-rod stations. The report, though not final, is decidedly unfavorable to claims made for these devices.]

Curtis, W. Parkinson.

Phenological report on first appearance of birds, insects, etc., and first flowering of plants in Dorset for 1916. Dorchester. 1917; cover-title, 100 p. incl. tables. 31 cm. (From "Proceedings" Dorset natural history and antiquarian field club, vol. 38, p. 133, 1917.)

Diem, K.

Regenwaarnemingen op Sumatra's oostkust, de oostkust van Atjeh en in Tapanceli in 1917 . . . Medan. 1918. p. xxiv-xlii, incl. tables. 24 $\frac{1}{2}$ cm. At head of title: Mededeelingen van het Deli proefstation te Medan, Sumatra. Jaargang 10. Bladz. 21-44. 10de aflevering . . .

Doublet, É[douard Lucien].

Les études de physique du globe aux États-Unis. Bordeaux. 1918. 30 p. 24 $\frac{1}{2}$ cm.

Eredia, Filippo.

Le medie normali della quantità di pioggia in Italia. Roma. 1918. 8 p. incl. tables. 26 $\frac{1}{2}$ cm. (Estratto dal Giornale del Genio civile, anno 56, 1918.)

La variazione diurna della temperatura a Catania e a Messina. cover-title. 5 p. incl. tables. charts. 23 $\frac{1}{2}$ cm. (Dal Bollettino dell'Accademia gioenia di scienze naturali in Catania fasc. 44, Luglio, 1918.)

Fontseré [y Riba], E[duardo].

Treballs de l'estació aeròdrica de Barcelona. Serie 2. Any 1915. Barcelona. 1917. 83 p. incl. charts. tables. 28 cm. At head of title: Publicacions de l'Institut de ciències.

Galli, Ignazio.

Di altri fulmini globulari osservati in Italia dal 1915 al 1917. Nota 19. 19 p. 29 $\frac{1}{2}$ cm. (Estratto dagli Atti della Pontificia accademia romana dei Nuovi Lincei. Sessione 5a del 21 aprile 1918.)

Gauthier, H.

La température en Chine et à quelques stations voisines d'après des observations quotidiennes. Shanghai. 1918. xlviii, 794 p. in 3 v. incl. map. charts. tables. 31 cm. At head of title: Observatoire de Zikawei.

Great Britain. Meteorological office.

Cloud forms according to the international classification. The definitions and descriptions approved by the International meteorological committee in 1910. With an atlas of photographs of clouds selected from the collection of Mr. G. A. Clarke of the Observatory, Aberdeen . . . London. 1918. 10 p. Plates. 24 cm. M. O. 233.

Linney, Charles E.

Climate in relation to crop adaptation in New Mexico, by Charles E. Linney and Fabian Garcia. Albuquerque. 1918. 132 p. map. charts. tables. 23 cm. At head of title: Bulletin no. 113. June, 1918. New Mexico college of agriculture and mechanic arts. Agricultural experiment station, State college, N. M. In cooperation with United States Department of agriculture, Weather bureau.

McGlashan, H[arry] D.

Southern California floods of January, 1916, by H. D. McGlashan and F. C. Ebert. Prepared in cooperation with the state of California. Washington. 1918. 80 p. plates. 23 cm. fold. map in envelope at back. At head of title: Department of the interior . . . U. S. Geological survey . . . Water-supply paper 426.

Mawson, D[ouglas].

Auroral observations at the Cape Royds station, Antarctica. British antarctic expedition, 1908. cover-title, fold. map. graphs (part. fold.) 22 cm. (From "Transactions of the Royal society of South Australia," vol. 40, 1916.)

Port-au-Prince (Haiti) Séminaire-collège St-Martial. Observatoire météorologique.

Bulletin annuel. Année 1917. [Port-au-Prince] 1918. 131 p., l. incl. tables. 31 cm.

Southport. Fernley observatory.

. . . Report and results of observations for the year 1917, with an appendix, by Joseph Baxendell. Southport. 1918. 31 p. incl. tables. 25 cm.

Stok, J[ohannes] P[aulus] van der.

Bijdrage tot de kennis van het klimaat van Nederland. De temperatuur van lucht en zee. [De Bilt] 1918. tables. 25 cm. (Overgedrag uit het "Tidschrift van het K. Nederlandsch aardrijkskundig genootschap, 2e Ser. dl. 35, 1918, Afl. 3," p. 348-367.)

Upsala. Université. Observatoire météorologique.

Bulletin mensuel. Vol. 49. Année 1917 . . . Upsala. 1917-1918. 74 p. incl. tables. 34 cm.

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Review. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

Aerial age. New York. v. 8. 1918.

Cave, C. J. P. Some meteorological conditions which increase the danger of flying. p. 1322-1323; 64. (Sept. 16, 23.)

Aeronautical journal. London. v. 22. July, 1918.

Wind at various heights. p. 250. [Abstract from Oesterr. Flug-Zeitschrift, Feb.-Mar., 1918. [Analyzes data from Vienna, 1911-1914.]

Aérophile, Paris. 26 année. 1-15 juin, 1918.

Frantzen, Lucien. Cerfs-volants météorologiques. p. 169-170.

American climatological and clinical association. Transactions. Philadelphia. v. 33. 1917.

Hinsdale, Guy. The American Virgin islands, our newest West India possessions; their climate and topography. p. 25-30. [Climatic data almost nil.]

Astrophysical journal. Chicago. v. 48. September, 1918.

Sleator, W. W. The absorption of near infra-red radiation by water vapor. p. 125-143.

British astronomical association. Journal. London. v. 28. March, 1918.

Metcalfe, H. The green flash. p. 157-159.

Engineering news-record. New York. v. 81. 1918.

Ruhling, George H. Record rainfall at Highland Park [Michigan.] p. 445-446. (Sept. 5.)

June floods cause damage to bridges in Iowa. Serious interference with highway traffic results from undermining of piers, fall of spans and washouts in roads. p. 500-501. (Sept. 12.)